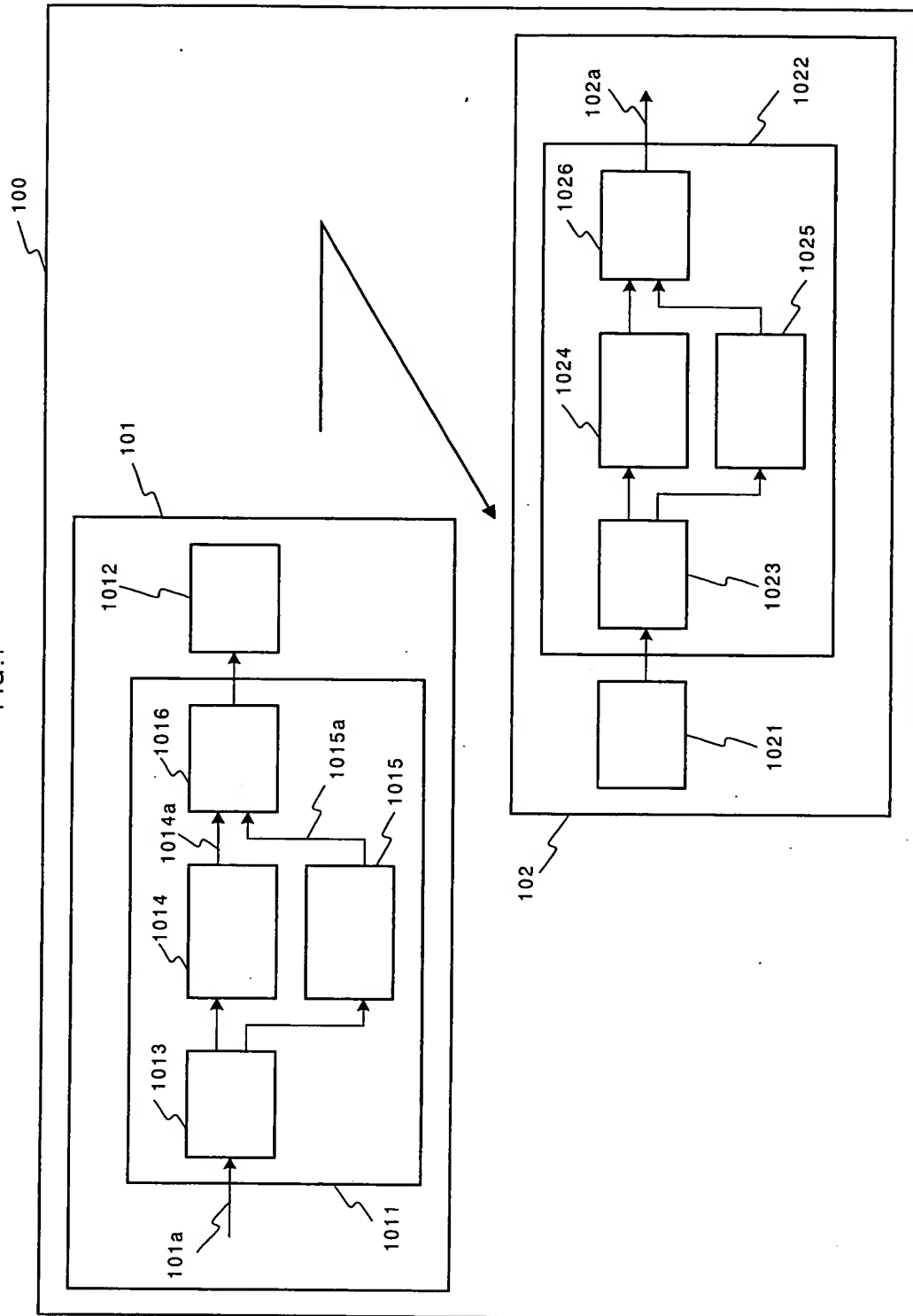
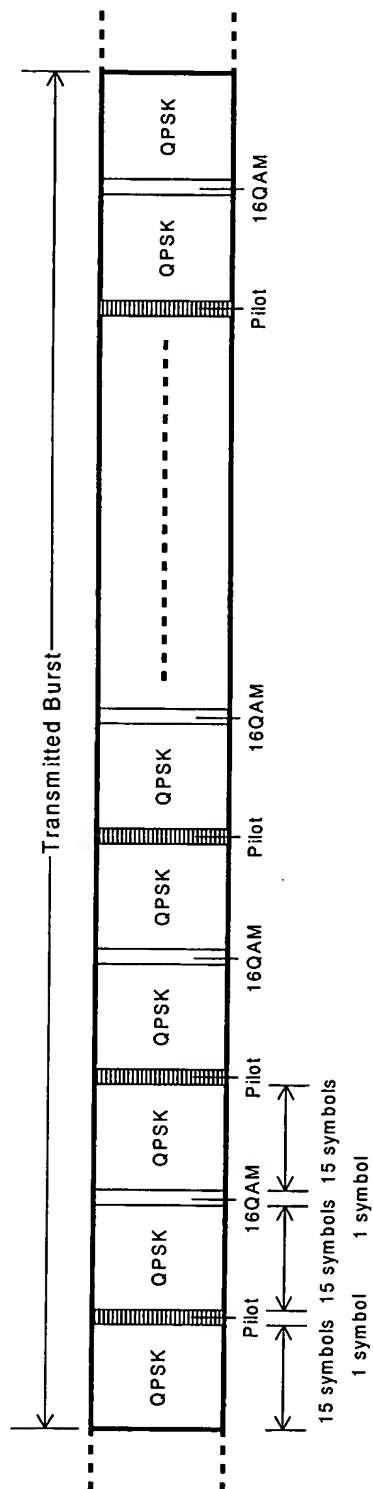


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FIG. 1

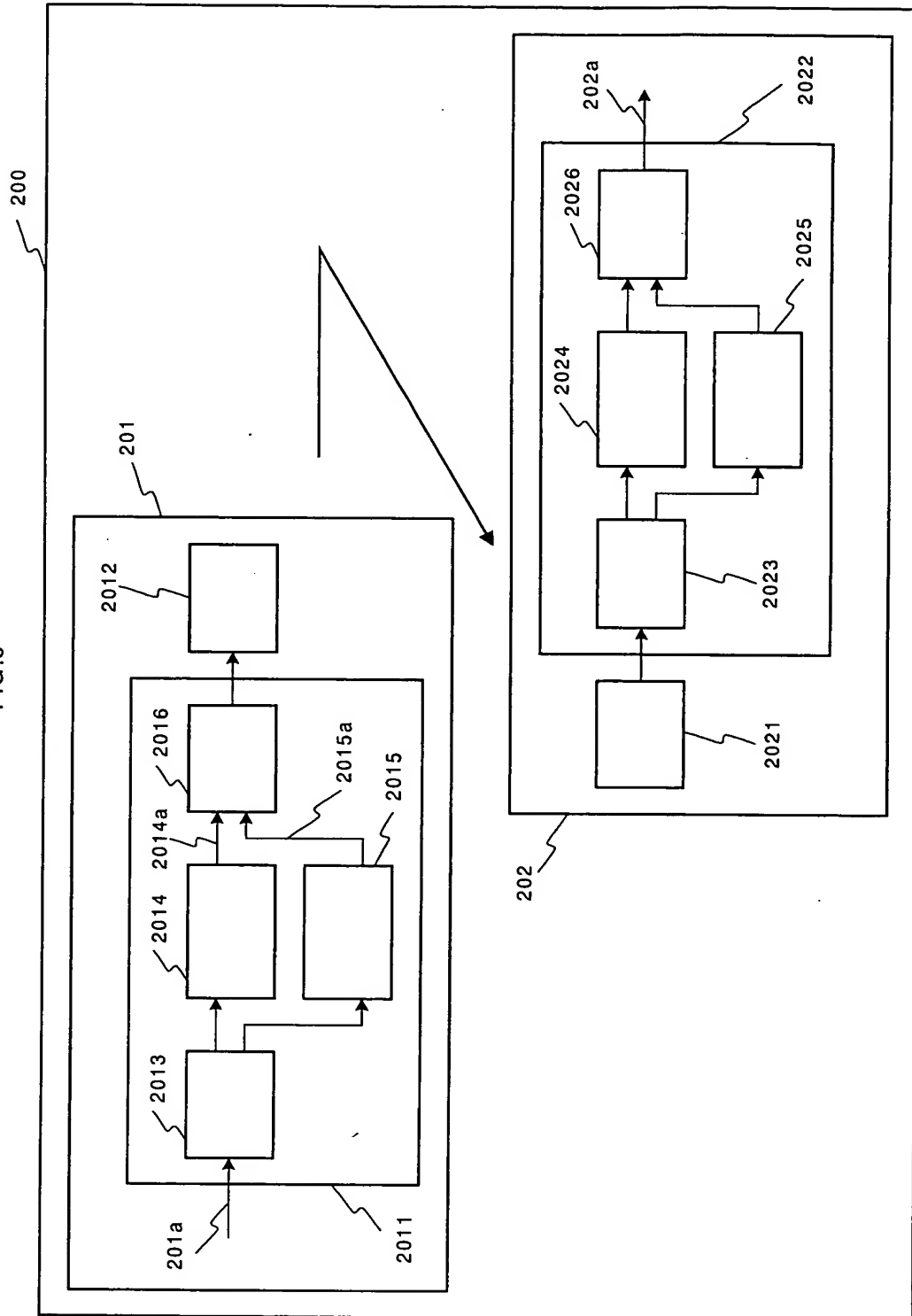


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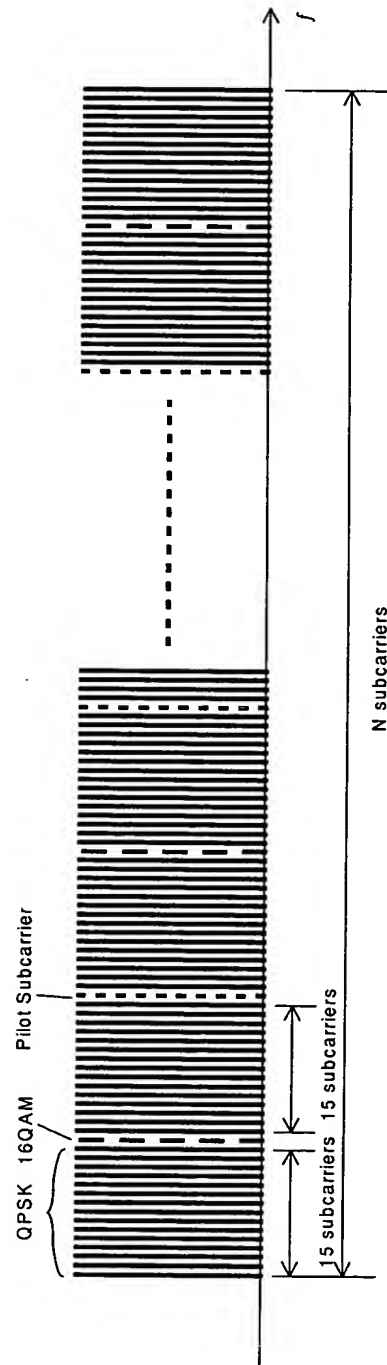
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FIG. 3

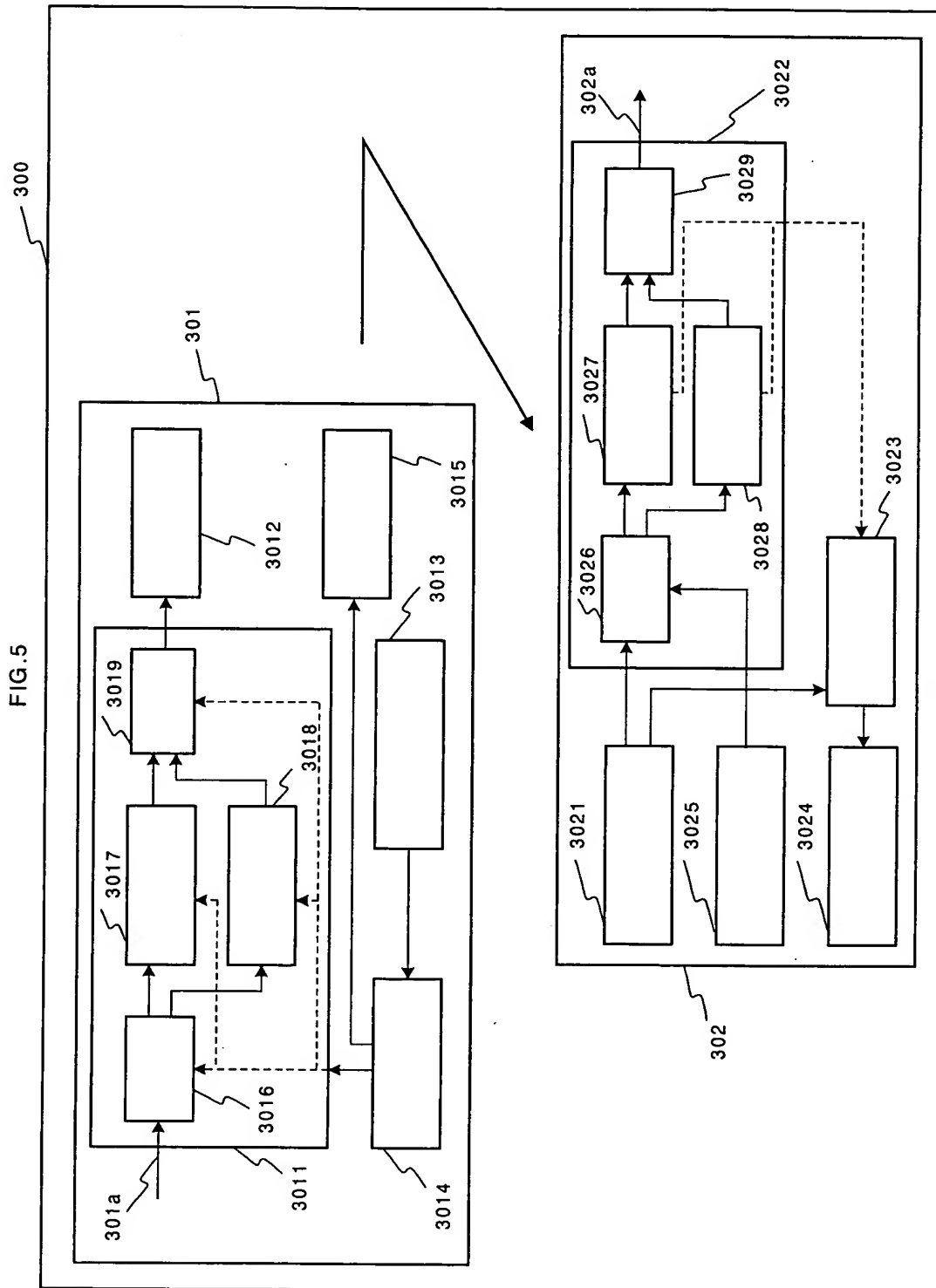


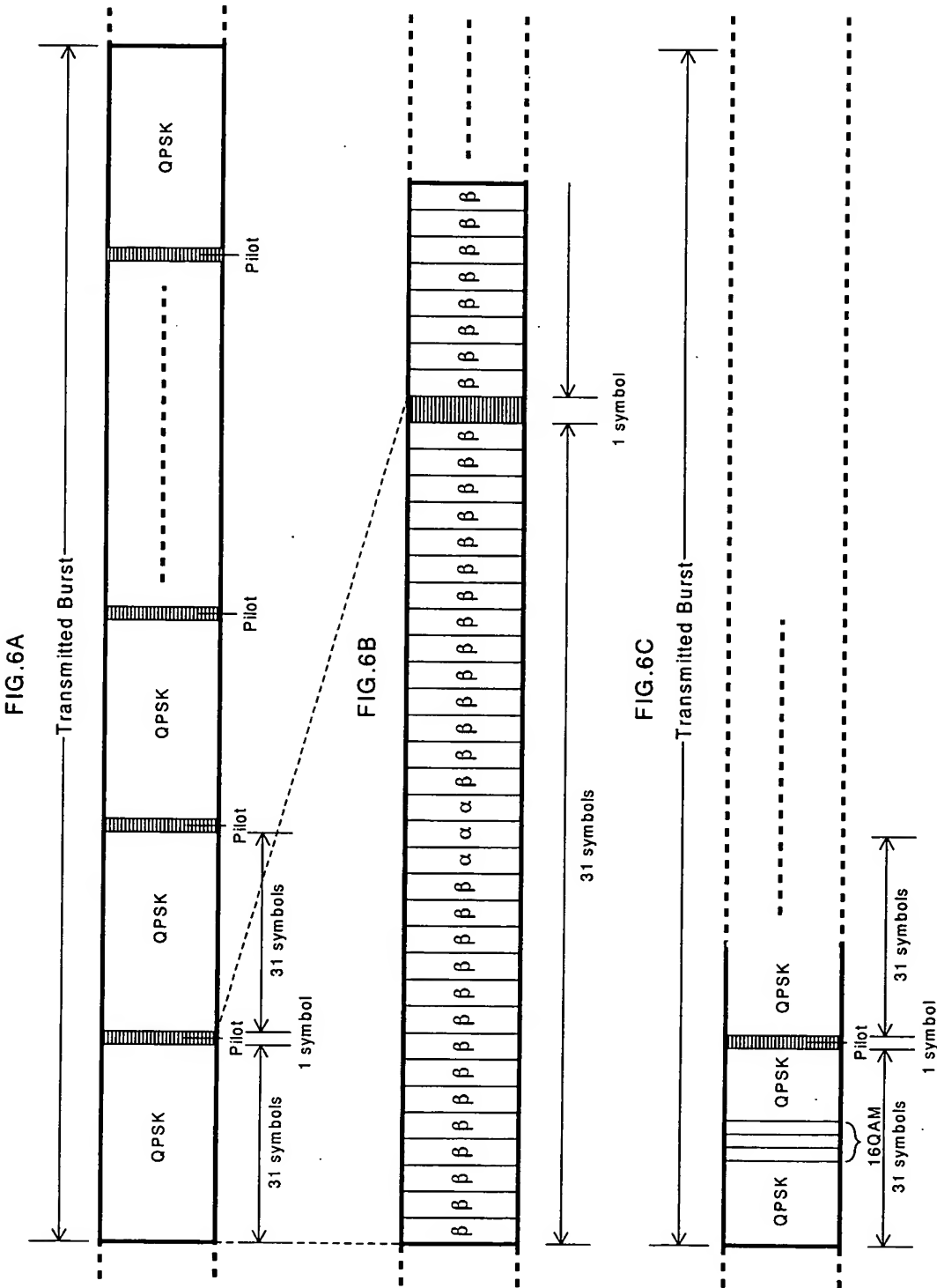
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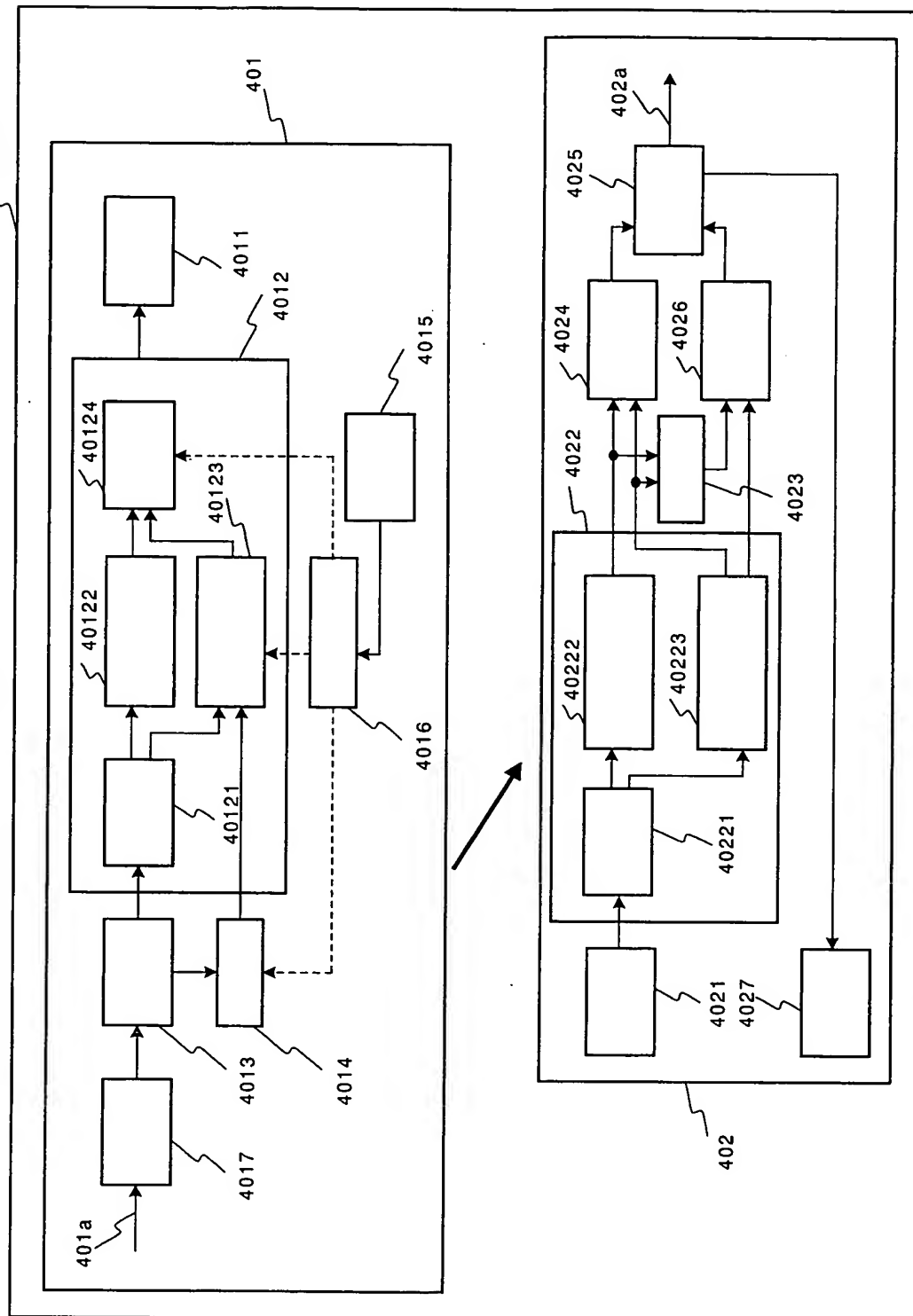
FIG.4



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FIG. 8

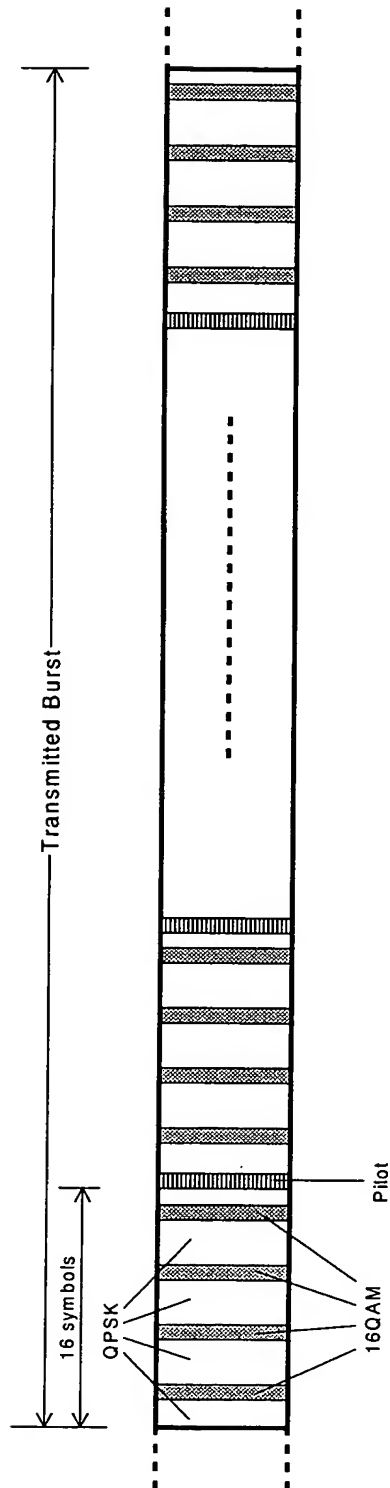
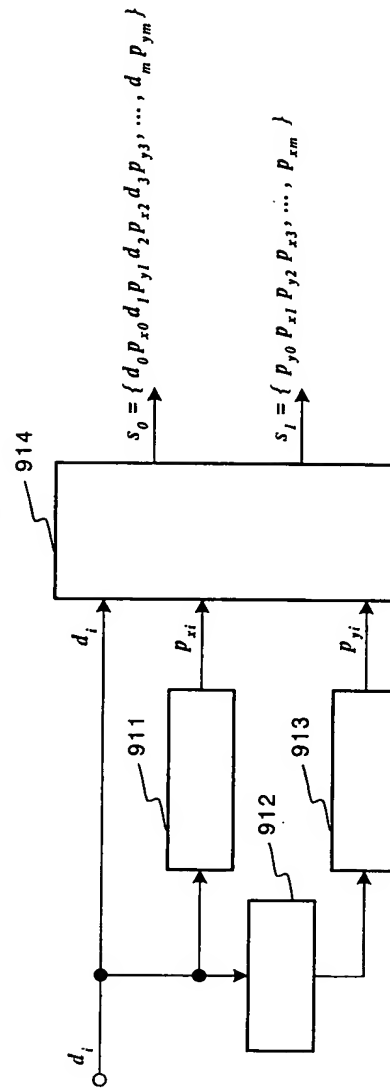


FIG. 9



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FIG.11

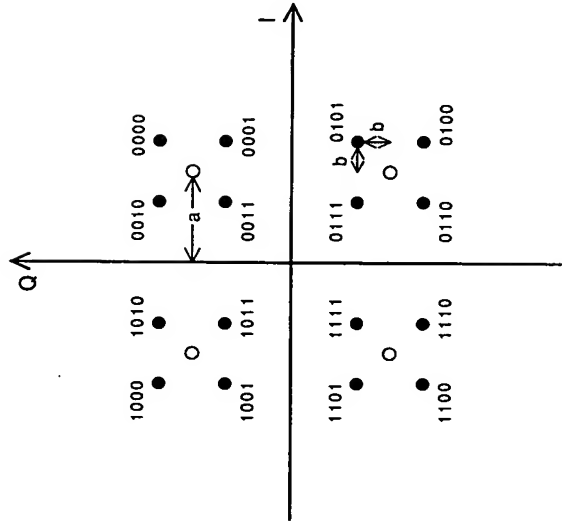
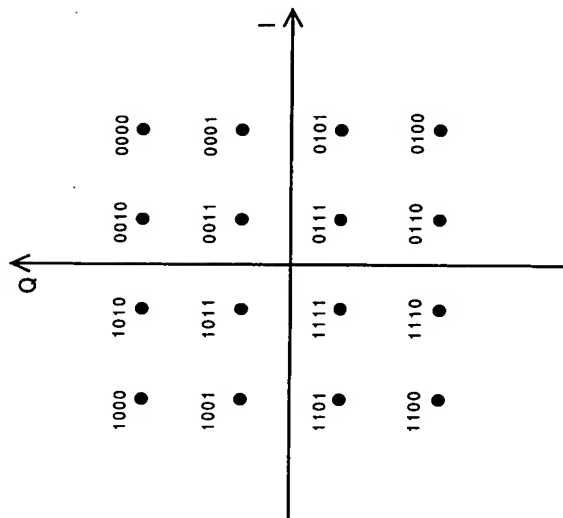
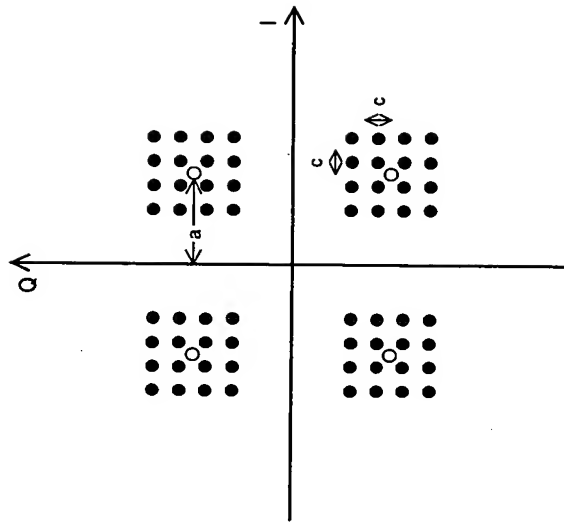


FIG.10



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FIG.12



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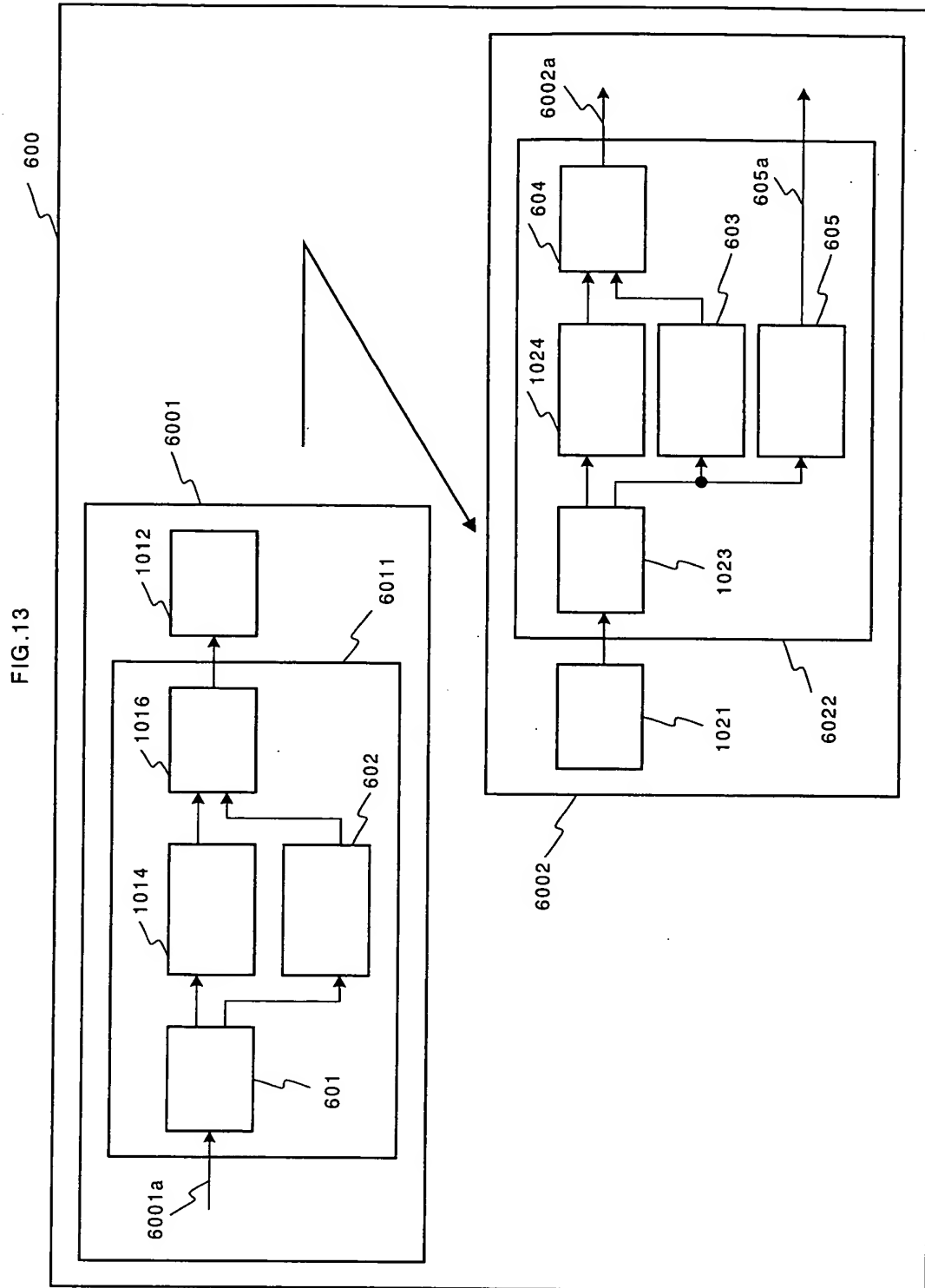
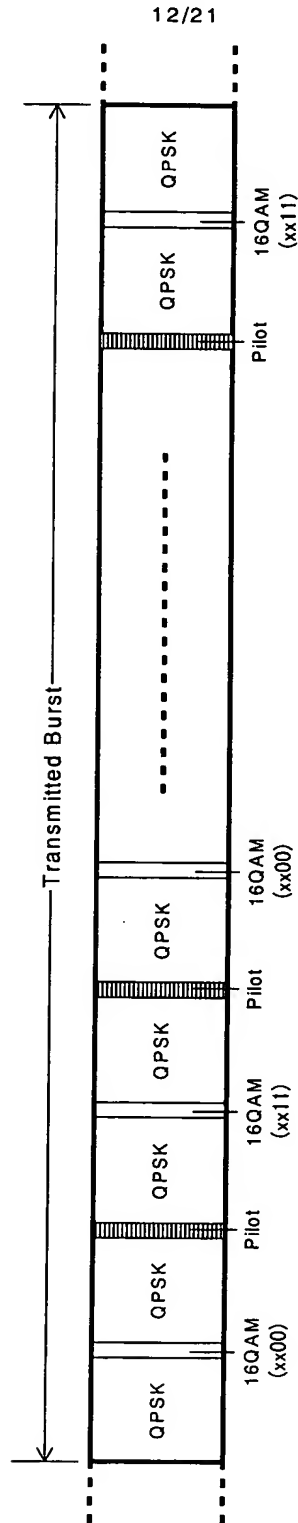


FIG.14



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FIG.15B

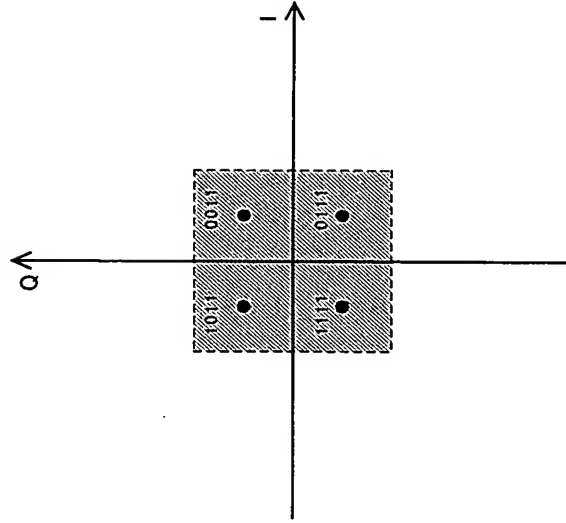
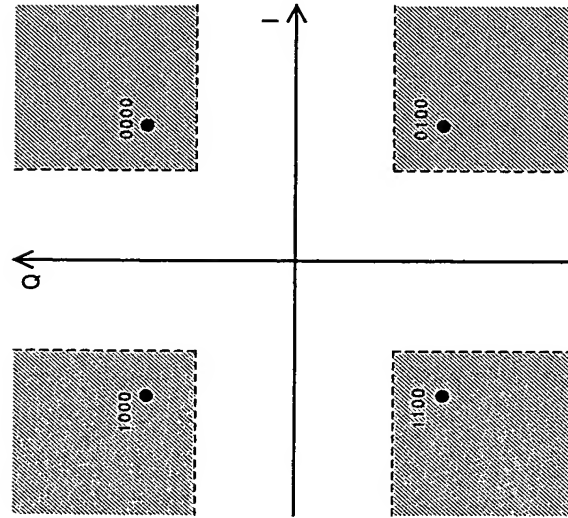


FIG.15A



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FIG.16B

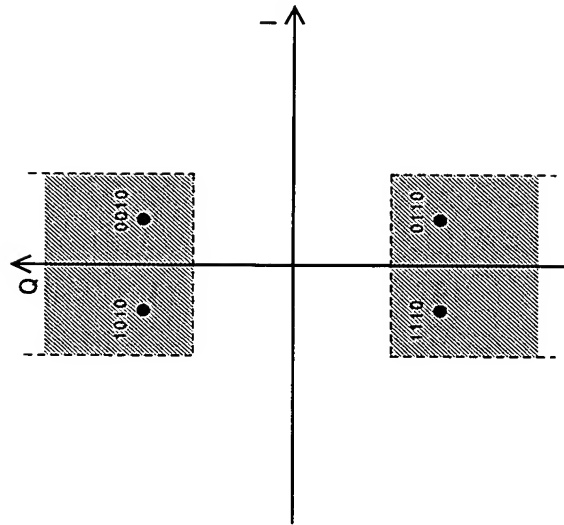
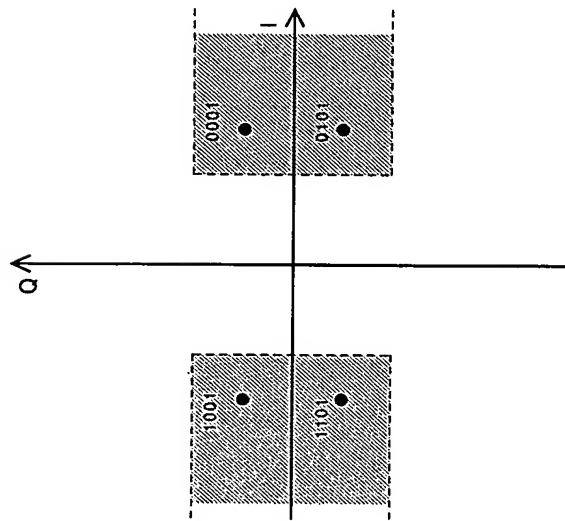
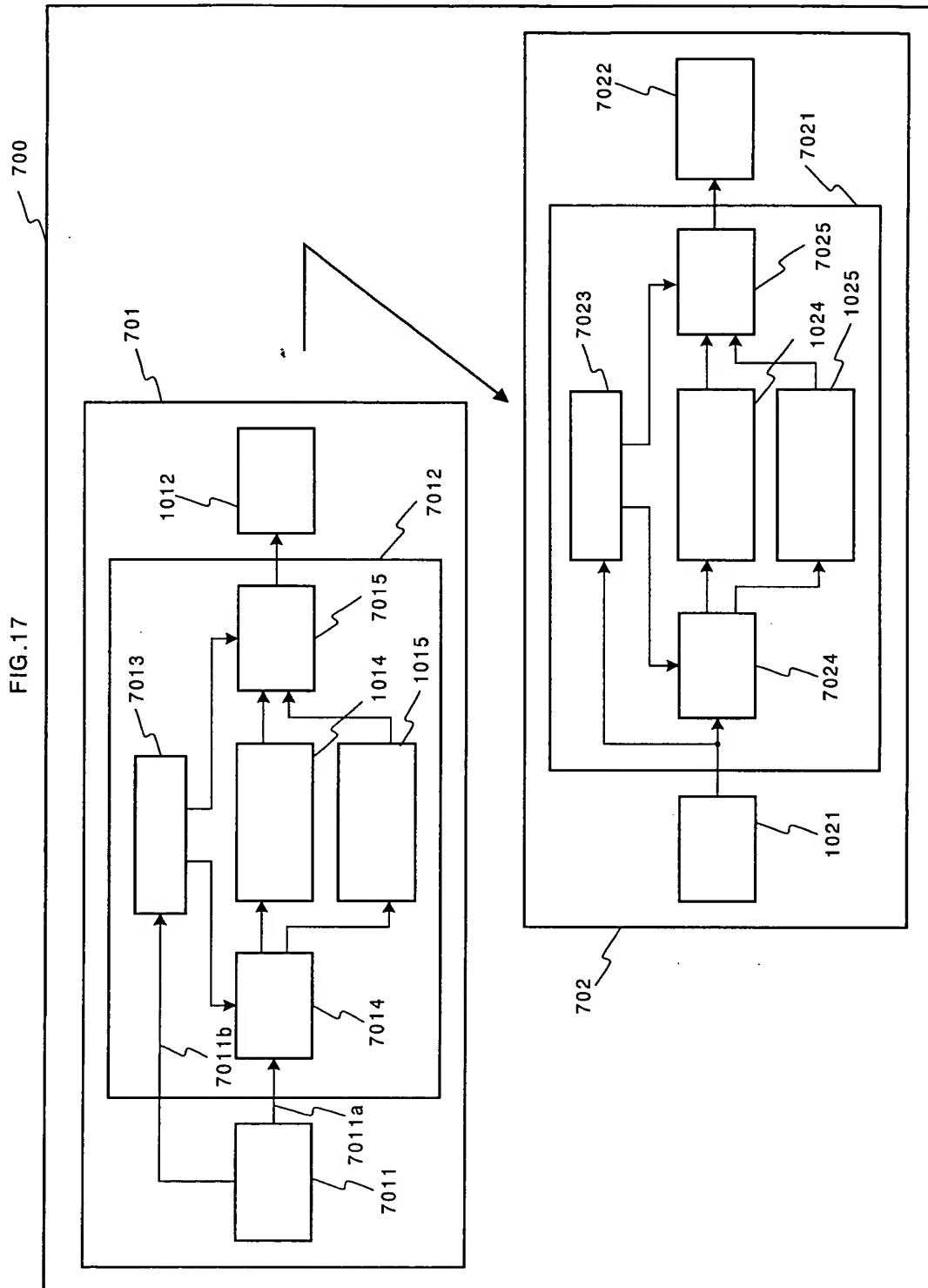


FIG.16A



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FIG.18A

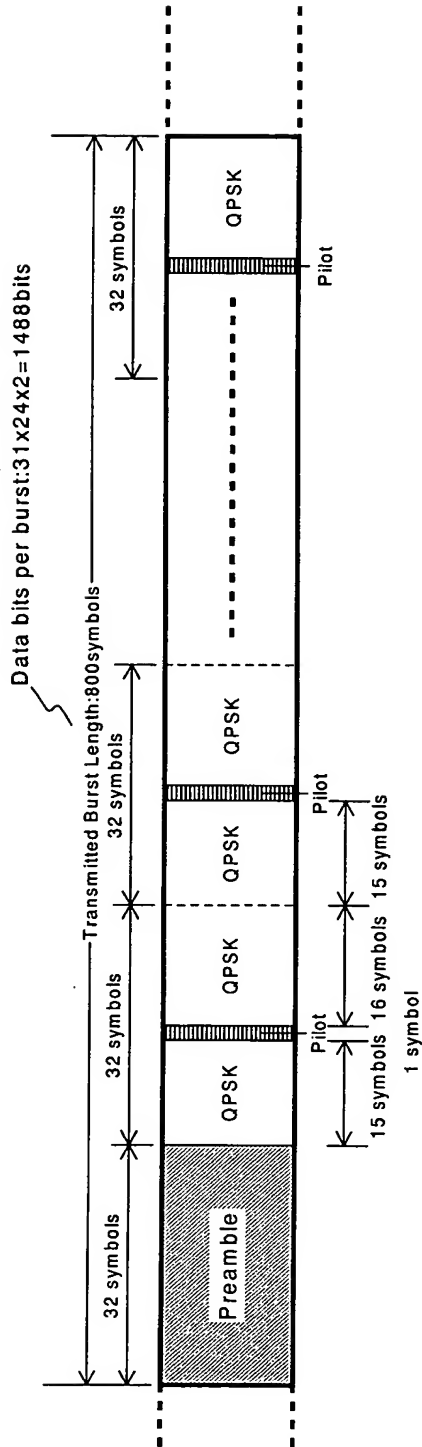
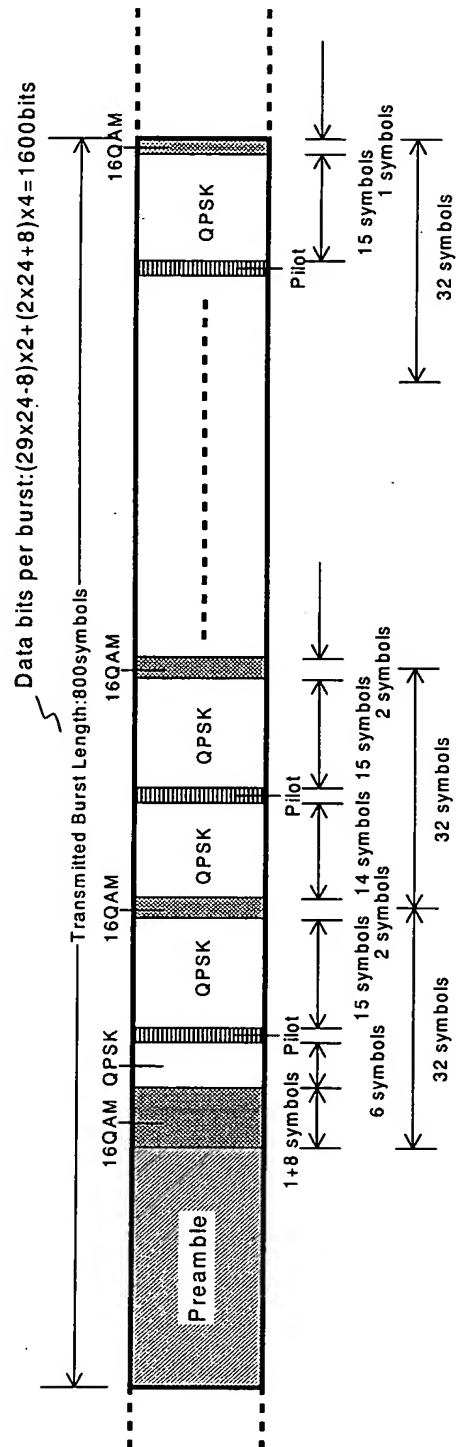
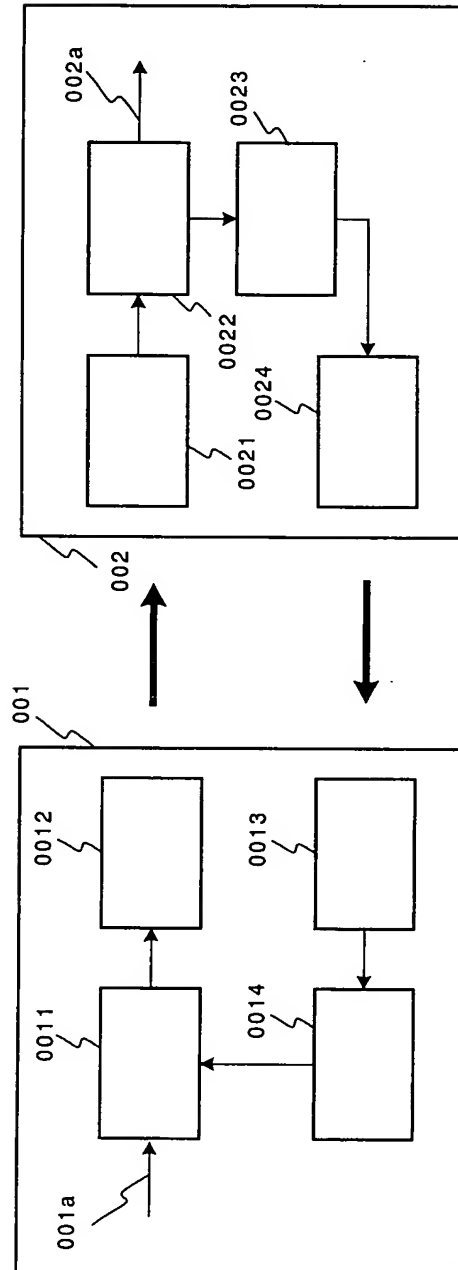


FIG.18B



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FIG.19



List of Reference Marks in Drawings

- 100, 200, 300, 400, 600, 700: communication system
- 101, 201, 701, 6001: transmission device
- 102, 202, 702, 6002: reception device
- 301, 302, 401, 402: communication device
- 601, 1013, 2013, 3016, 7014, 40121: data stream divider
- 602, 1015, 2015, 3018, 40123: modulation method B quadrature vector
mapping section
- 603, 1025, 2025, 3028, 40223: modulation method B symbol detector
- 604, 1026, 2026, 3029, 7025: data stream multiplexer
- 605: reception quality estimator
- 911: recursive-structure convolution coding section A
- 912: interleaver
- 913 recursive-structure convolution coding section B

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914: output selector

1011, 3011, 4012, 6011, 7012: burst generator

1012, 3012, 4011: transmission processor

1014, 2014, 3017, 40122: modulation method A signal quadrature vector

mapping section

1016, 3019, 7015, 40124: multiplexer

1021, 3021, 4021: reception processor

1022: reception data stream generator

1023, 3026, 7024, 40221: divider

1024, 2024, 3027, 40222: modulation method A symbol detector

2011 sub-carrier generator

2012 OFDM transmission processor

2016 sub-carrier multiplexer

2021 OFDM reception processor

2022 OFDM demodulator

2023 sub-carrier divider

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3013 in-burst communication quality information obtainer
3014 symbol-having a higher modulation level -insertion place determiner
3015 symbol-having a higher modulation level-insertion place notifying
section .
3022, 4022, 6022, 7021: reception data stream generator
3023 in-burst communication quality measuring section
3024 in-burst communication quality information notifying section
3025 symbol-having a higher modulation level-insertion place information
obtainer
4013 error correction coding section
4014, 4023: memory
4015 ACK receiver
4016 re-transmission controller
4017 error detection coding section
4024 error corrector
4025 error detector
4026 ARQ error corrector
4027 ACK transmitter
7011 transmission packet generator
7013, 7023: controller

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7022 reception packet generator